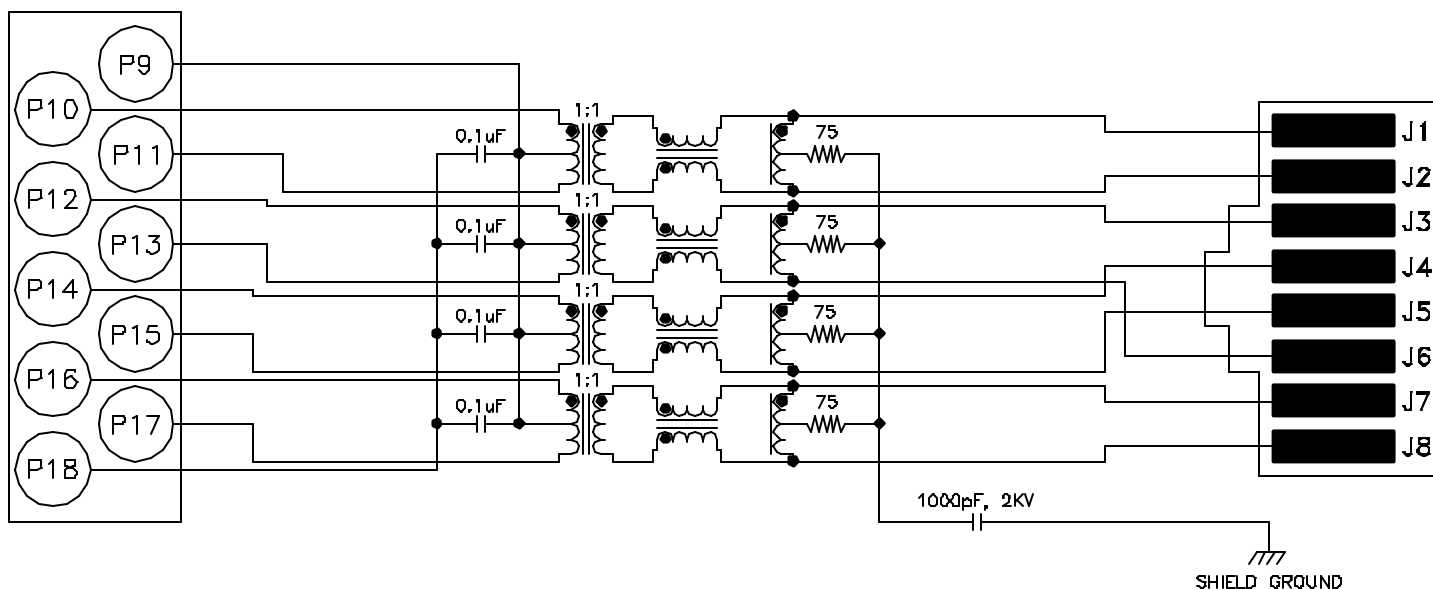




#### NOTES:

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

#### ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: {P10-P11} : {J2-J1} : 1CT : 1CT  $\pm 3\%$   
 {P13-P12} : {J6-J3} : 1CT : 1CT  $\pm 3\%$   
 {P15-P14} : {J5-J4} : 1CT : 1CT  $\pm 3\%$   
 {P17-P16} : {J8-J7} : 1CT : 1CT  $\pm 3\%$

2.0 INDUCTANCE: {J2-J1} ; {J5-J4} : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS  
 {J6-J3} ; {J8-J7} : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS

3.0 LEAKAGE INDUCTANCE: P10-P11 {WITH J2 AND J1 SHORT} : 0.3uH MAX. @ 1MHz  
 P13-P12 {WITH J6 AND J3 SHORT} : 0.3uH MAX. @ 1MHz  
 P15-P14 {WITH J5 AND J4 SHORT} : 0.3uH MAX. @ 1MHz  
 P17-P16 {WITH J8 AND J7 SHORT} : 0.3uH MAX. @ 1MHz

4.0 DC RESISTANCE: {J6-J3} ; {J2-J1} ; {J4-J5} ; {J7-J8} : 1.2 ohms Max.

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 717.284.7612

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|                                                                       |                |
|-----------------------------------------------------------------------|----------------|
| 5.0 RETURN LOSS: 1MHz TO 30MHz                                        | : -18dB MIN.   |
| 30MHz TO 60MHz                                                        | : -16dB MIN.   |
| 60MHz TO 80MHz                                                        | : -14dB MIN.   |
| 80MHz TO 100MHz                                                       | : -12dB MIN.   |
|                                                                       |                |
| 6.0 DIELECTRIC WITHSTAND: {J1,J2} TO {P10,P11} ; {J5,J4} TO {P14,P15} | : 1500 VAC     |
| {J3,J6} TO {P12,P13} ; {J8,J7} TO {P17,P16}                           | : 1500 VAC     |
|                                                                       |                |
| 7.0 INSERTION LOSS: RS=RL=100 ohms                                    |                |
| 100KHz TO 100MHz                                                      | : -1.1 dB TYP. |
|                                                                       |                |
| 8.0 CROSS TALK: 1-60 MHz                                              | : -35 dB TYP.  |
| 60-100 MHz                                                            | : -25 dB TYP.  |
|                                                                       |                |
| 9.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz                 | : -25dB MIN.   |

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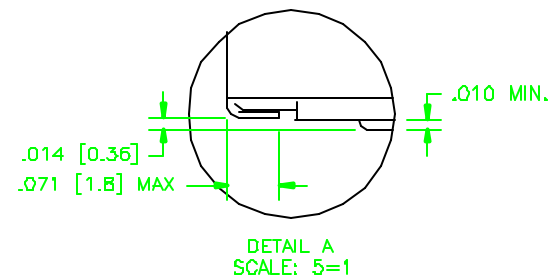
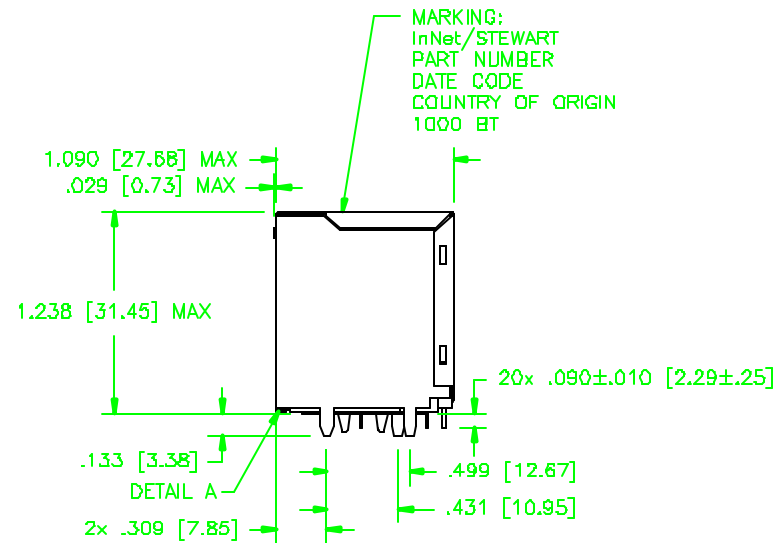
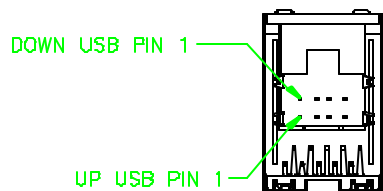
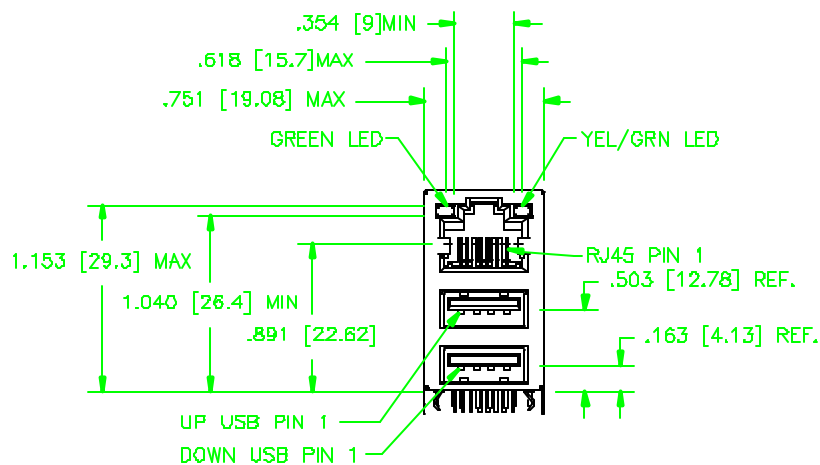
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DRAWING NO.

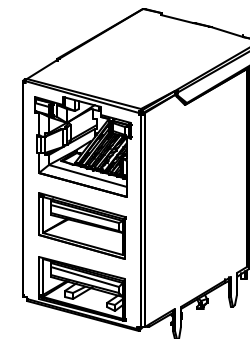
SI-71006

REV. 04



#### NOTES:

- 1.0 TOLERANCE COMPLY WITH FCC DIMENSION REQUIREMENTS.
- 2.0 PIN NOT ELECTRICALLY CONNECTED MAY BE OMITTED. SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- 3.0 MATERIAL:  
 PLASTIC: UL94V-0  
 TERMINAL USB: CERTIFIED TO USB SPEC 2.0  
 TERMINAL RJ45: 50 MICROINCHES Au OVER 50 MICROINCHES Ni OVER PHOSBRONZE SHIELD, BOTH USB AND RJ45: BRASS PLATED W/EITHER Ni OR TIN-LEAD
- 4.0 GENERAL TOLERANCE:  $\pm .005$  [.127]
- 5.0 INSERTION FORCE RJ45: 9.0 lbs MAX  
 INSERTION FORCE USB: 7.7 lbs MAX
- 6.0 WITHDRAW FORCE RJ45: 2.9 lbs MIN  
 WITHDRAW FORCE USB: 2.2 lbs MIN
- 7.0 DURABILITY FORCE RJ45: 1000 INSERTIONS  
 DURABILITY FORCE USB: 1500 INSERTIONS
- 8.0 CONNECTOR TO PCB INSERTION FORCE: 8.6 lbs MAX



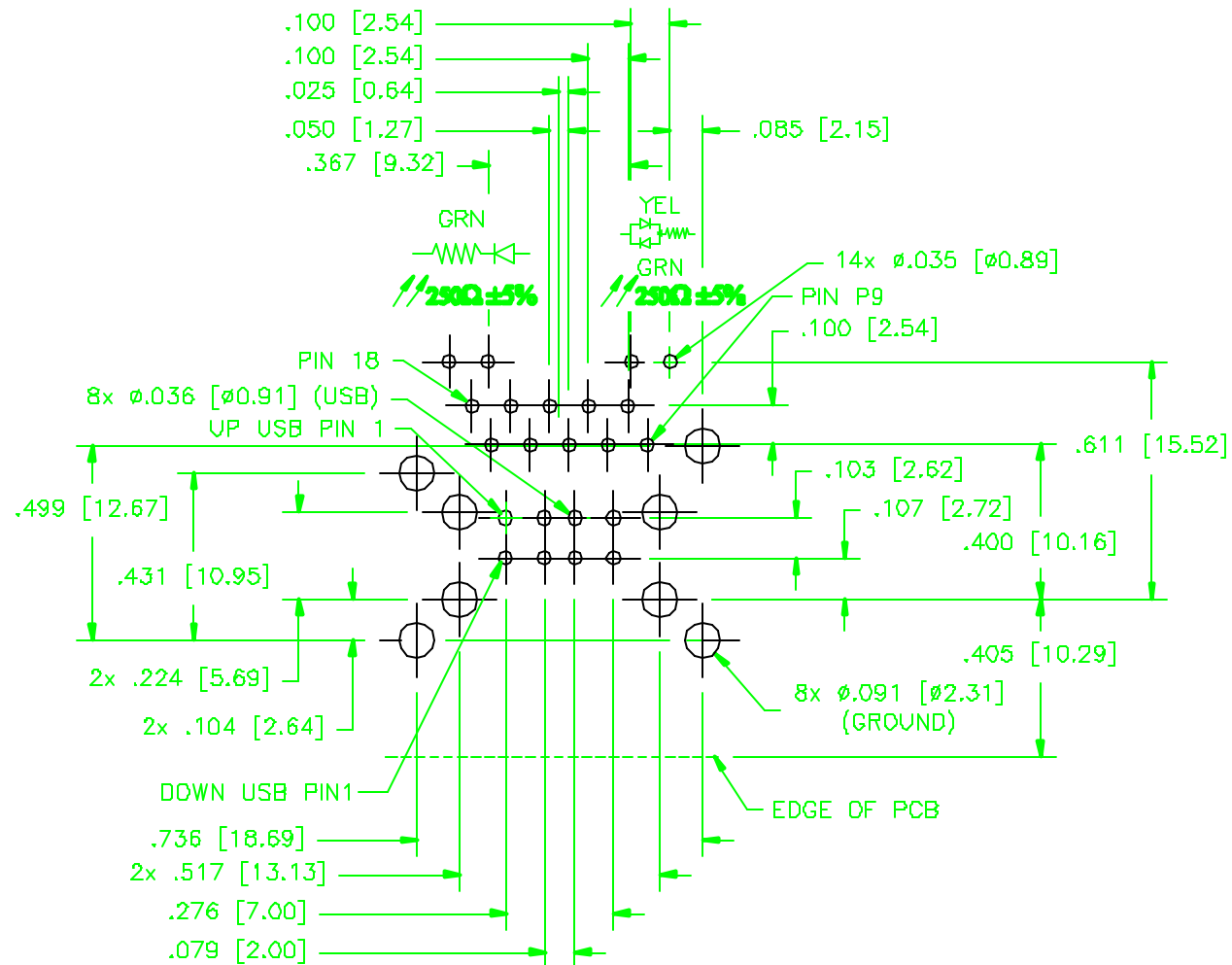
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PC BOARD LAYOUT COMPONENT SIDE SHOWN  
 TOLERANCE:  $\pm.003$  [.08] UNLESS OTHERWISE SPECIFIED

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